## PATENT COOPERATION TREATY

# **PCT**

#### INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 440866	FOR FURTHER ACTION	see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.					
International application No, PCT/US04/11117	International filing date (day/mont 12 April 2004 (12.04.2004)	h/year)	(Earliest) Priority Date (day/month/year) 10 April 2003 (10.04.2003)				
Applicant PALL CORPORATION							
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.							
This international search report consists of a total of   It is also accompanied by a copy of each prior art document cited in this report.							
<ol> <li>Basis of the Report         <ul> <li>With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.</li> </ul> </li> </ol>							
the international search was carried out on the basis of a translation of the international application furnished to this  Authority (Rule 23.1(b)).  b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:							
contained in the internation	al application in written form.						
filed together with the inter	national application in computer rea	dable form	ı.				
furnished subsequently to the	nis Authority in written form.						
) ===	his Authority in computer readable t	orm.					
the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.							
the statement that the infor	mation recorded in computer readab	le form is	identical to the written sequence listing has				
2. Certain claims were found	d unsearchable (See Box I).						
3. Unity of invention is lack	ing (See Box II).						
4. With regard to the title,							
the text is approved as sub-							
the text has been established	ed by this Authority to read as follow	vs:					
	•		·				
5. With regard to the abstract,			•				
the text is approved as sub	mitted by the applicant.		•				
the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. within one month from the date of mailing of this international search report, submit comments to the							
6. The figure of the drawings to be p	ublished with the abstract is Figure	No. <u>1</u>					
as suggested by the application			None of the figures				
because the applicant faile	d to suggest a figure.						
	characterizes the invention.						

Form PCT/ISA/210 (first sheet) (July 1998)

### INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/11117

	Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)					
This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:						
1.		Claim Nos: because they relate to subject matter not required to be searched by this Authority, namely:				
2.		Claim Nos.:				
<b>2</b> .		because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:				
3.		Claim Nos.: 8-19, 28-34, and 39-42 because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).				
Box	II Ob	servations where unity of invention is lacking (Continuation of Item 2 of first sheet)				
This	Internat	ional Searching Authority found multiple inventions in this international application, as follows:				
1.		As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.				
2.		As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.				
3.	The second for a war timely paid by the applicant, this international search report					
	`.					
4.	4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims, it is covered by claims Nos.:					
Rer	Remark on Protest					
No protest accompanied the payment of additional search fees.						

Form PCT/ISA/210 (continuation of first sheet(1)) (July 1998)

### INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/11117

Box III	TEXT OF THE ABSTRACT	(Continuation of Item 5 of the first sheet)

The technical features mentioned in the abstract do not include a reference sign between parentheses (PCT Rule 8.1(d)).

#### NEW ABSTRACT:

A filter assembly (100) may comprise a filter cartridge (102) and a filter housing (101) which may include a cylindrical support (121) and a removable portion (110).

Form PCT/ISA/210 (continuation of first sheet(2)) (July 1998)

#### INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/11117

A. CLASSIFICATION OF SUBJECT MATTER							
IPC(7) : B01D 35/30, 35/34, 37/00, 27/08 US CL : 210/232, 443, 450, 493.1							
According to International Patent Classification (IPC) or to both national classification and IPC							
B. FIELDS SEARCHED							
Minimum documentation searched (classification system followed by classification symbols) U.S.: 210/232, 443, 450, 493.1							
	<u>-</u>						
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched none							
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) none							
C: DOC	UMENTS CONSIDERED TO BE RELEVANT		·				
Category *	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No:				
X	US 5,770,054 A (ARDES) 23 June 1998 (23.06.1998	3), col. 2, line 58- col. 3, line 10 and	1-3, 6-7, 20-21, 35 and 37-38				
Υ	col. 4, line 1-13 and fig. 2.	·					
v	GB 1,516,182 A (DOSCO OVERSEAS ENGINEER	INC LIMITED) 28 June 1978	22-27 1-2, 4-5, 20-21, 35-36				
Χ.	(28.06.1978), page 2, lines 31-85 and fig. 4.		and 38				
Y	US 6,143,106 A (SHANE) 07 November 2000 (07.1 col. 5, lines 37-62.	1.2000), see col. 4, lines 39-60 and	22-27				
			·				
	IAD	•					
	ON THE TRACE						
Further	documents are listed in the continuation of Box C.	See patent family annex.	·				
• S	pecial categories of cited documents:	"T" later document published after the int date and not in conflict with the appli	cation but cited to understand the				
	defining the general state of the art which is not considered to be that relevance	principle or theory underlying the inv					
"E" earlier application or patent published on or after the international filing date  "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive when the document is taken alone							
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination					
"O" documen	referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in the	ne art				
	t published prior to the international filing date but later than the late claimed	"&" document member of the same patent family					
Date of the actual completion of the international search  Date of mailing of the international search report  25 AUG 2004							
02 August 2004 (02.08.2004)  Name and mailing address of the ISA/US  Authorized officer							
Ma	il Stop PCT, Attn: ISA/US	2 100 1 - 1					
P.C	mmissioner for Patents D. Box 1450	Telephone No. 571-272-1700	Longe Con				
Alexandria, Virginia 22313-1450  Facsimile No. (703) 305-3230							

Form PCT/ISA/210 (second sheet) (July 1998)